

Reduced energy cost and uninterrupted power supply for C&I applications

- ✓ Lower electricity cost
- ✓ Reduced peak demand
- ✓ Uninterrupted power supply
- ✓ Safe and efficient operation

Commercial and industry (C&I) energy storage solutions can effectively encounter rising energy cost, maintain stable operations, and secure competitiveness. In addition to increased self-consumption, the GoodWe energy storage systems allow users to level out peak demands and avoid additional grid fees. The powerful backup delivers additional value to organisations with a strong reliance on uninterrupted power. The ETC/BTC inverters are designed to be connected exclusively to the GoodWe battery system Lynx C and can be paired with up to three Lynx C batteries per battery input, thereby providing a wide range of battery capacity options for enhanced flexibility.

-  Peak shaving functionality
-  Compatible with Lynx C battery (101kWh - 936kWh)
-  Powerful back-up with UPS-level switching



Technical Data		GW50K07-ETC	GW100K07-ETC
Battery Input Data			
Battery Type		Li-Ion	
Nominal Battery Voltage (V)		422.4 / 499.2 / 576.0 / 652.8	
Battery Voltage Range (V)		200 ~ 865	
Start-up Voltage (V)		200	
Number of Battery Input	1		2
Max. Continuous Charging Current (A)	100		100 / 100
Max. Continuous Discharging Current (A)	100		100 / 100
Max. Charging Power (kW)	50		100
Max. Discharging Power (kW)	55		110
PV String Input Data			
Max. Input Power (kW)	65		130
Max. Input Voltage (V)		1000	
MPPT Operating Voltage Range (V)		250 ~ 850	
Start-up Voltage (V)		250	
Nominal Input Voltage (V)		600	
Max. Input Current per MPPT (A)		100	
Max. Short Circuit Current per MPPT (A)		125	
Number of MPP Trackers	1		2
AC Output Data (On-grid)			
Nominal Output Power (kW)	50		100
Nominal Apparent Power Output to Utility Grid (kVA)	50		100
Max. Apparent Power Output to Utility Grid (kVA)	55		110
Max. Apparent Power from Utility Grid (kVA)	55		110
Nominal Output Voltage (V)		400, 3L / N / PE	
Output Voltage Range (V)		312 ~ 460 (AU); 318 ~ 497 (DE)	
Nominal AC Grid Frequency (Hz)		50 / 60	
AC Grid Frequency Range (Hz)		47 ~ 52 (AU); 47.5 ~ 51.5 (DE)	
Max. AC Current Output to Utility Grid (A)	79.8		159.5
Max. AC Current from Utility Grid (A)	79.8		159.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion		<3%	
AC Output Data (Back-up)			
Back-up Nominal Apparent Power (kVA)	50		100
Max. Output Apparent Power without Grid (kVA)	55		110
Max. Output Apparent Power with Grid (kVA)	55		110
Max. Output Current (A)	79.8		159.5
Nominal Output Voltage (V)		400	
Nominal Output Frequency (Hz)		50 / 60	
Output THDv (@Linear Load)		<3%	
Efficiency			
Max. Efficiency		97.6%	
European Efficiency		97.3%	
Max. Battery to AC Efficiency		97.2%	
MPPT Efficiency		99.9%	
Protection			
PV Insulation Resistance Detection		Integrated	
Residual Current Monitoring		Integrated	
PV Reverse Polarity Protection		Integrated	
Battery Reverse Polarity Protection		Integrated	
Anti-islanding Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
DC Switch		Integrated	
AC Switch		Integrated	
DC Surge Protection		Type II (Type I + II Optional)	
AC Surge Protection		Type II (Type I + II Optional)	
Remote Shutdown		Integrated	
General Data			
Operating Temperature Range (°C)		-20 ~ +60 (>45°C derating)	
Relative Humidity		0 ~ 95% (Non-condensing)	
Max. Operating Altitude (m)		4000	
Cooling Method		Smart Fan Cooling	
User Interface		LED, LCD, WLAN + APP	
Communication with BMS		RS485, CAN	
Communication with Meter		RS485	
Communication with Portal		RS485, LAN	
Weight (kg)	184.5		239.5
Dimension (W × H × D mm)		585 × 1360 × 750	
Topology		Non-isolated	
Ingress Protection Rating		IP20	
Mounting Method		Grounded	

*: Please visit GoodWe website for the latest certificates.